

Date: Thursday, 10/11/2007 2:50:43 PM
User: Kim Johnston

Process Sheet

Customer : CU-DAR001 Dart Helicopters Services	Drawing Name : BLOWER INLET ADAPTER
Job Number : 35108	
Estimate Number : 12317	
P.O. Number : <i>N/A</i>	Part Number : D3473041
This Issue : 10/11/2007 S.O. No. : <i>N/A</i>	Drawing Number : D3473 REV B
Prsht Rev. : NC	Project Number : N/A
First Issue : <i>N/A</i> Type : SMALL /MED FAB	Drawing Revision : B
Previous Run : 32034	Material : <i>N/A</i>
Written By : _____	Due Date : 10/25/2007 Qty: 4 Um: Each
Checked & Approved By : _____	
Comment : Est Rev: A New Issue 06-03-02 JLM	
Est Rev: B As per Rev B 06-05-24 JLM	

Additional Product

Job Number:



Seq. #:	Machine Or Operation:	Description :
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1.0	D3473043	BLOWER INLET WELDMENT
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Comment: Qty.: 1.0000 Each(s)/Unit Total : 4.0000 Each(s)

Pick:

Qty	Part Number	Description	Batch
1	D3473-043	INLET ADAPTER	<i>B35109</i>

X

mf

2.0	D34709	BOLT
-----	--------	------



Comment: Qty.: 1.0000 Each(s)/Unit Total : 4.0000 Each(s)

Pick:

Qty	Part Number	Description	Batch
1	D3470-9	Bolt	<i>B26387</i>

X

mf

3.0	AN960416	Washer
-----	----------	--------



Comment: Qty.: 4.0000 Each(s)/Unit Total : 16.0000 Each(s)

Pick:

Qty	Part Number	Description	Batch
4	AN960-416	Washer	<i>m5519</i>

mf

4.0	AN3104	NUT
-----	--------	-----



Comment: Qty.: 1.0000 Each(s)/Unit Total : 4.0000 Each(s)

Pick:

Qty	Part Number	Description	Batch
1	AN310-4	Nut	<i>m105280</i>

mf 07-10-17

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Date: Thursday, 10/11/2007 2:50:43 PM
User: Kim Johnston

Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: BLOWER INLET ADAPTER

Job Number: 35108

Part Number: D3473041

Job Number:



Seq. #:

Machine Or Operation:

Description :

5.0

MS24665153

COTTER PIN



Comment: Qty.: 1.0000 Each(s)/Unit Total : 4.0000 Each(s)

COTTER PIN

Batch: m190916

mf

6.0

D3474041

Inlet valve shaft



Comment: Qty.: 1.0000 Each(s)/Unit Total : 4.0000 Each(s)

Pick:

Qty	Part Number	Description	Batch
1	D3474-041	Inlet valve shaft	

B2852/ x 1m,

B 35143 x 3m

X

mf

7.0

MS35206217

Screw



Comment: Qty.: 2.0000 Each(s)/Unit Total : 8.0000 Each(s)

Pick:

Qty	Part Number	Description	Batch
2	MS35206-217	Screw	<u>m19402</u>

mf

8.0

AN9604L

washer



Comment: Qty.: 2.0000 Each(s)/Unit Total : 8.0000 Each(s)

Pick:

Qty	Part Number	Description	Batch
2	AN960-4L	Washer	<u>m101389</u>

mf

9.0

NAS679A04

NUT



Comment: Qty.: 2.0000 Each(s)/Unit Total : 8.0000 Each(s)

Pick:

Qty	Part Number	Description	Batch
2	NAS679A04	Nut	<u>m102948</u>

mf 07-10-17

Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes ☒ No ☐ DQA: DD Date: 07/11/15
 QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Date: Thursday, 10/11/2007 2:50:43 PM
User: Kim Johnston

Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: BLOWER INLET ADAPTER

Job Number: 35108

Part Number: D3473041

Job Number:



Seq. #:

Machine Or Operation:

Description :

10.0

D34747

BUTTERFLY VALVE SEAL



Comment: Qty.: 1.0000 Each(s)/Unit Total : 4.0000 Each(s)

Pick:

Qty Part Number Description Batch

1 D3474-7 Valve Seal B34392

mf

11.0

D34745

BUTTERFLY VALVE



Comment: Qty.: 2.0000 Each(s)/Unit Total : 8.0000 Each(s)

Pick:

Qty Part Number Description Batch

1 D3474-5 Valve Plate B3439-1

B29457 x 2mx

mf 07-10-17

12.0

SMALL FAB 1

SMALL & MEDIUM FAB RESOURCE 1



Comment: SMALL & MEDIUM FAB RESOURCE 1

1-Assemble as per Dwg D3473

Ensure that Valve Assembly Opens & Closes Smoothly

mf 07-11-12 (3)

mf 07-10-17 (1)

13.0

QC5

INSPECT WORK TO CURRENT STEP



Comment: INSPECT WORK TO CURRENT STEP

83 07/11/13 (3)

14.0

PACKAGING 1

PACKAGING RESOURCE #1



Comment: PACKAGING RESOURCE #1

Identify with a permanent fine point marker and Stock

Location: 163

07/11/14 (3)

15.0

QC21

FINAL INSPECTION/W/O RELEASE



Comment: FINAL INSPECTION/W/O RELEASE

(3) 07/11/15

Job Completion



07-11-15

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W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
07/10/17	12	Split w/o	SB	07/10/17	9		

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

QA: N/C Closed: _____ Date: _____

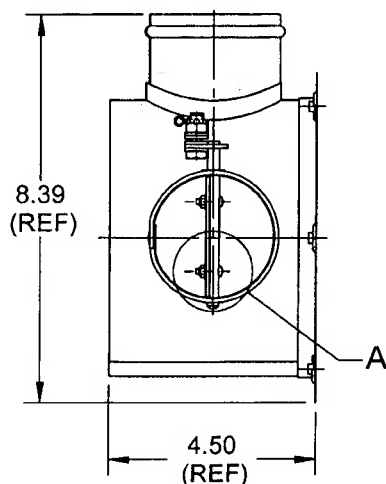
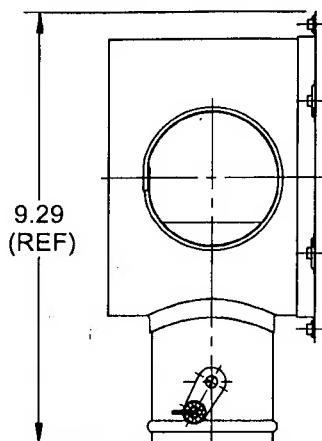
NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries



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CHECKED <i>[Signature]</i>	APPROVED <i>[Signature]</i>	DRAWING NO. D3473	REV. B SHEET 1 OF 7
DATE 06.05.16		TITLE BLOWER INLET ADAPTER	SCALE 1:4
A	06.02.07	NEW ISSUE	
B	06.05.16	D3473-5F/-7F: 9.750 & 8.810 WERE 9.60 & 8.60	

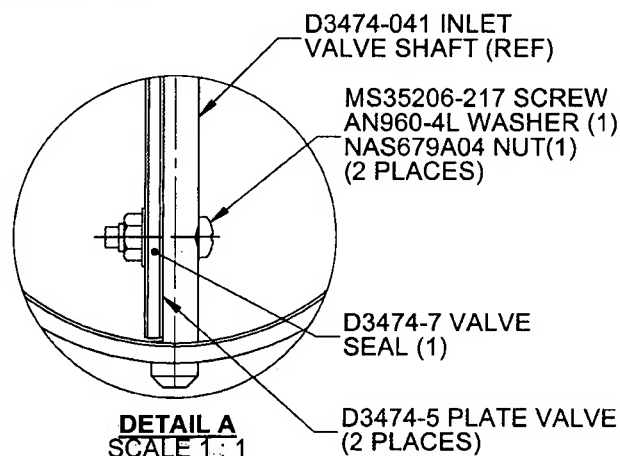
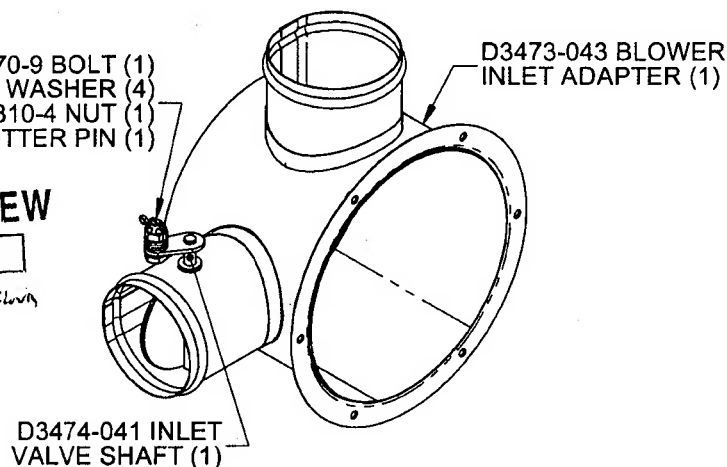
RELEASED
06-05-16



D3470-9 BOLT (1)
AN960-416 WASHER (4)
AN310-4 NUT (1)
MS24665-153 COTTER PIN (1)

UNDER REVIEW

02.04.02
DIP + MANUFACTURING
CHANGES



DETAIL A
SCALE 1:1

D3473-041 BLOWER INLET ADAPTER

NOTES:

- 1) IDENTIFY WITH DART P/N D3473-041 USING FINE POINT PERMANENT INK MARKER
- 2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 3) ALL DIMENSIONS ARE IN INCHES
- 4) BREAK ALL SHARP EDGES 0.005 TO 0.010

QTY	P/N	DESCRIPTION
X	D3473-041	BLOWER INLET ADAPTER
1	D3470-9	BOLT
1	D3471-043	BLOWER INLET WELDMENT
1	D3474-041	INLET VALVE SHAFT
2	D3474-5	BUTTERFLY VALVE
1	D3474-7	BUTTERFLY VALVE SEAL
1	AN310-4	NUT
2	AN960-4L	WASHER
4	AN960-416	WASHER
1	MS24665-153	COTTER PIN
2	MS35206-217	SCREW
2	NAS679-A04	NUT

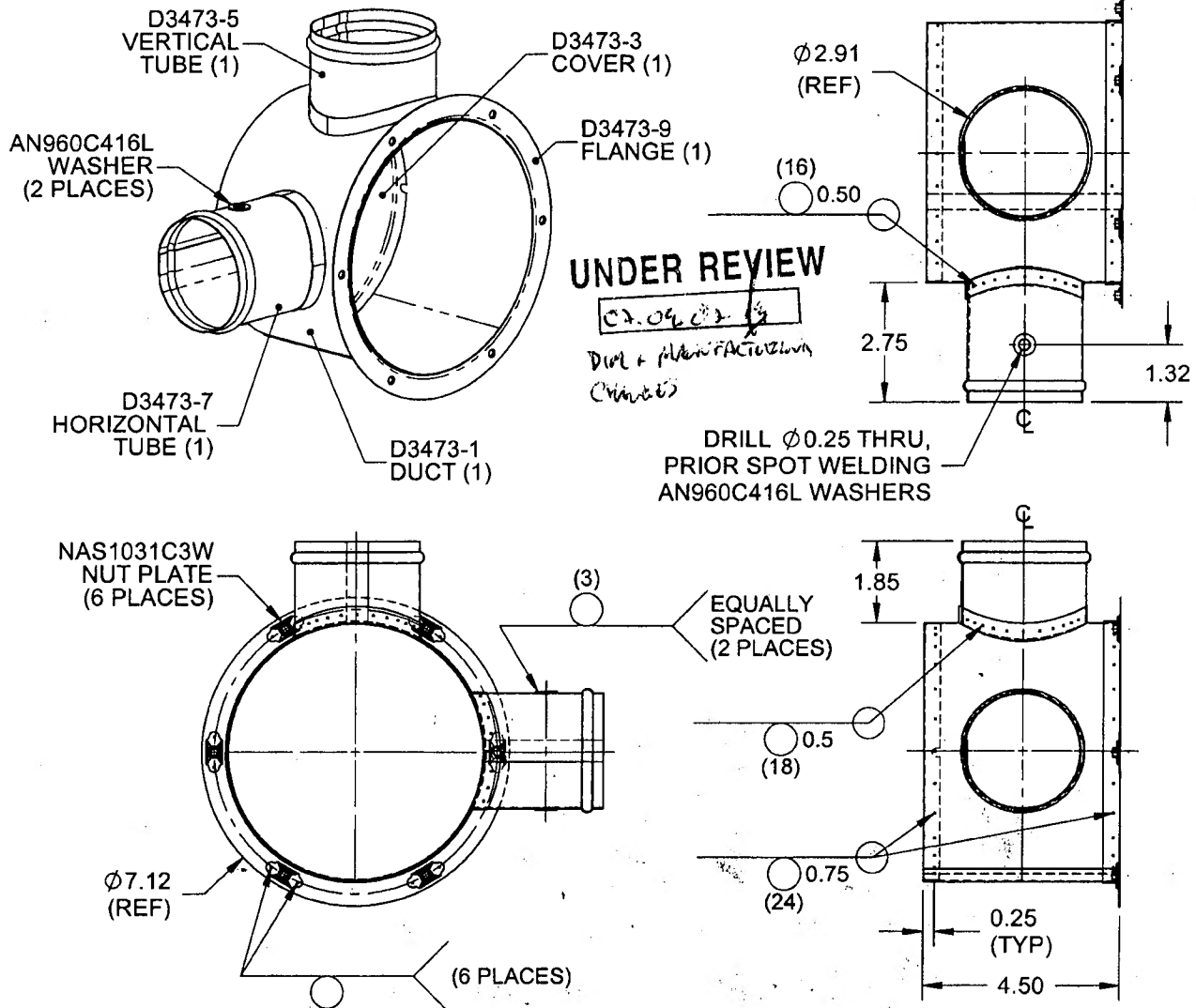
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CHECKED <i>H</i>	APPROVED <i>H</i>	DRAWING NO. D3473	REV. B SHEET 2 OF 7
DATE 06.05.16		TITLE BLOWER INLET ADAPTER	SCALE 1:4

RELEASED
06.05.16**D3473-043 BLOWER INLET WELDMENT****NOTES:**

- 1) SPOT WELD PER DART QSI 004
- 2) FINISH: NONE
- 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) ALL DIMENSIONS ARE IN INCHES
- 5) BREAK ALL SHARP EDGES 0.005 TO 0.010

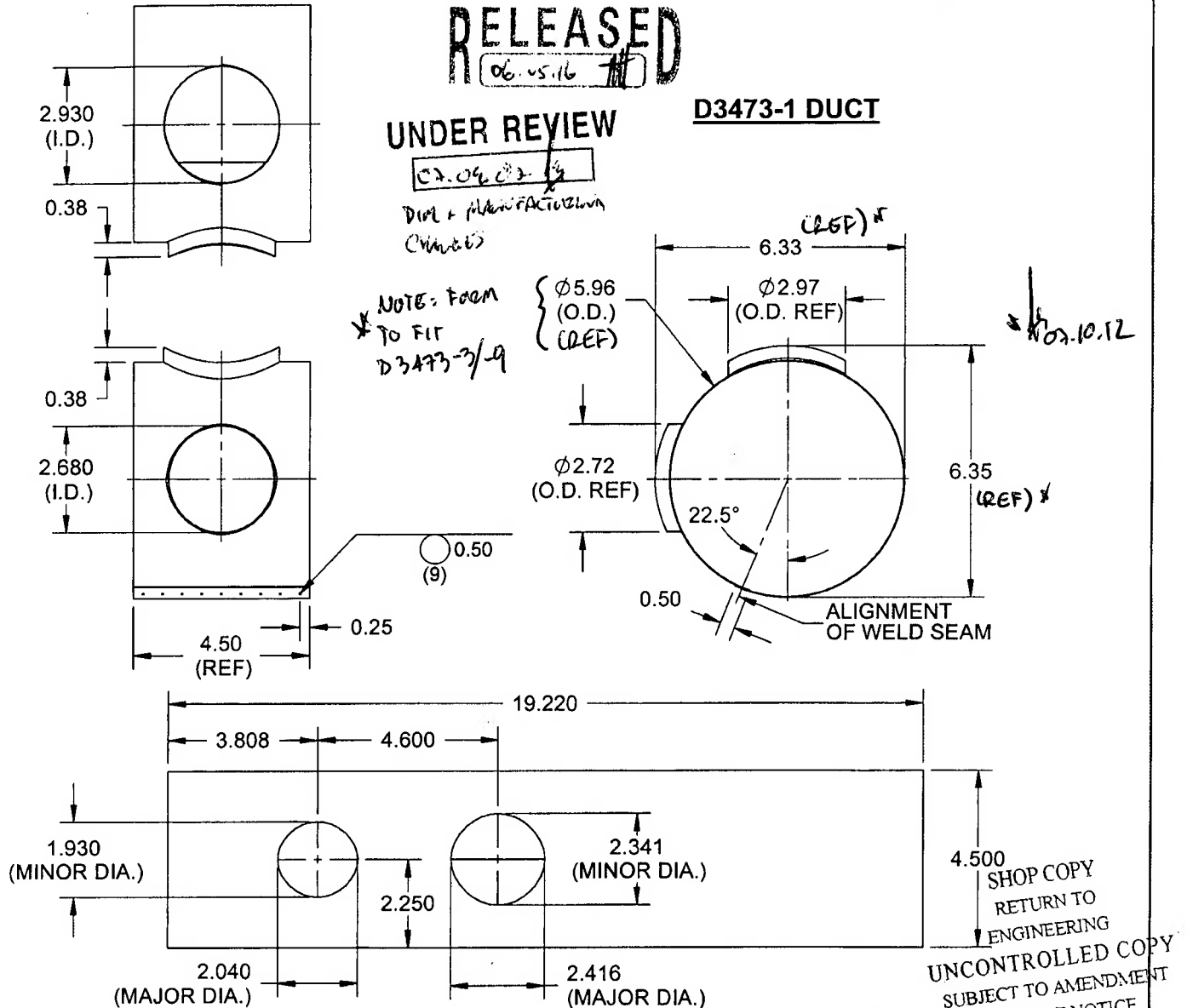
QTY -041	P/N	DESCRIPTION
X	D3473-043	BLOWER INLET WELDMENT
1	D3473-1	DUCT
1	D3473-3	COVER
1	D3473-5	VERTICAL TUBE
1	D3473-7	HORIZONTAL TUBE
1	D3473-9	FLANGE
2	AN960C416L	WASHER
6	NAS1031C3W	NUT PLATE

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DATE 06.05.16		TITLE BLOWER INLET ADAPTER	SCALE 1:4

RELEASED
06.05.16**UNDER REVIEW****D3473-1 DUCT****D3473-1F DUCT FLAT PATTERN****NOTES:**

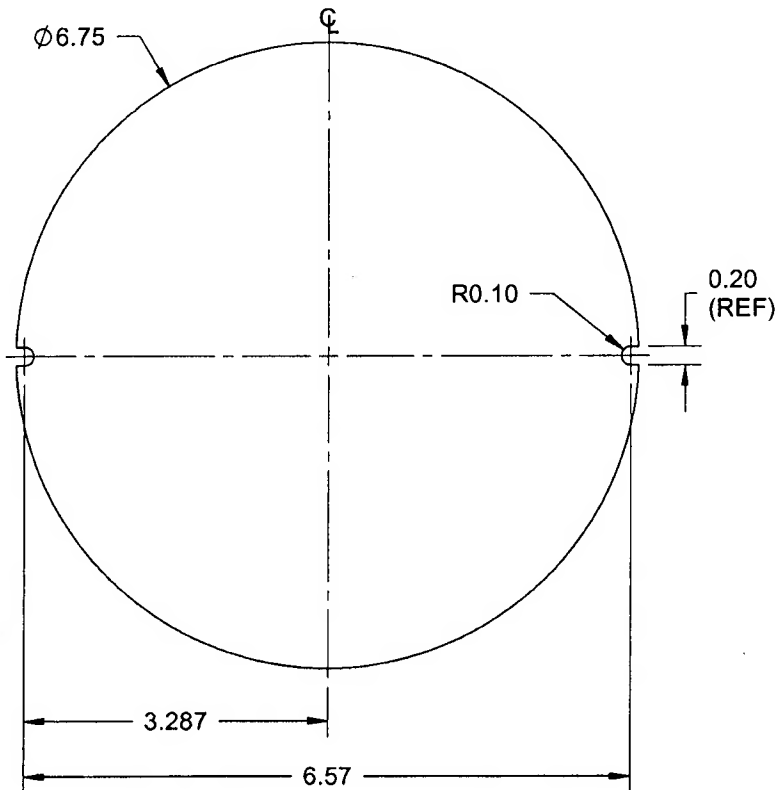
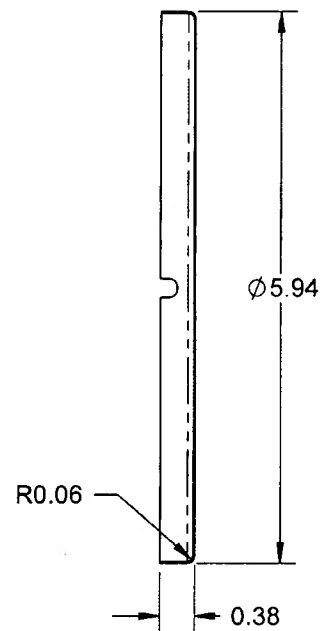
- 1) MATERIAL: AISI 304/316 SS SHEET PER MIL-S-5019 (ANNEALED)
2B FINISH 26 GAUGE SS (0.018 THICK)
- 2) SPOT WELD PER DART QSI 004
- 3) FINISH: NONE
- 4) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 6) ALL DIMENSIONS ARE IN INCHES
- 7) BREAK ALL SHARP EDGES 0.005 TO 0.010

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DATE 06.05.16		TITLE BLOWER INLET ADAPTER	SCALE 1:2

RELEASED
06-05-16 *H***UNDER REVIEW**
C2.09.02.13
DIP + MANUFACTURING
CHECKS**D3473-3F COVER FLAT PATTERN****D3473-3 COVER****NOTES:**

- 1) MATERIAL: AISI 304/316 SS SHEET PER MIL-S-5019 (ANNEALED) 2B FINISH
26 GAUGE SS (0.018 THICK)
- 2) PART IS SYMMETRICAL ABOUT CENTERLINE
- 3) FINISH: NONE
- 4) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 5) ALL DIMENSIONS ARE IN INCHES
- 6) BREAK ALL SHARP EDGES 0.005 TO 0.010

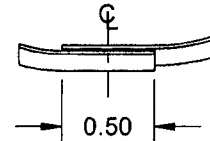
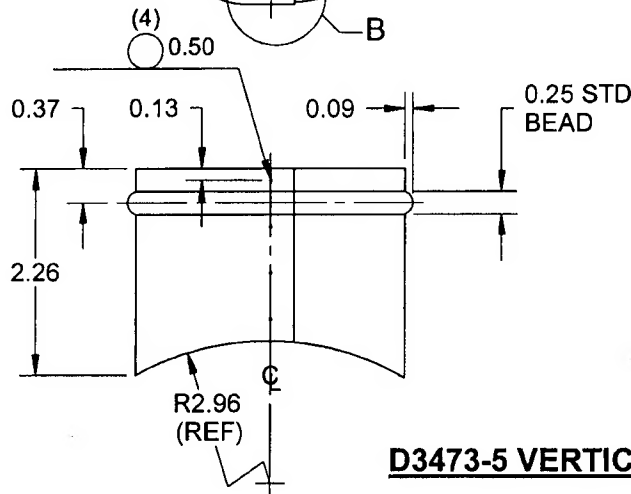
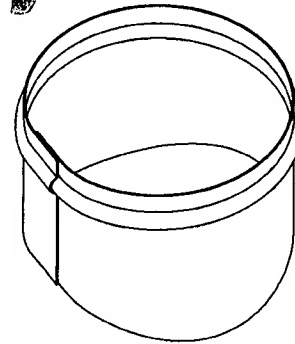
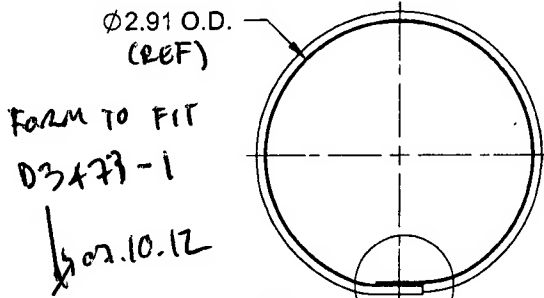
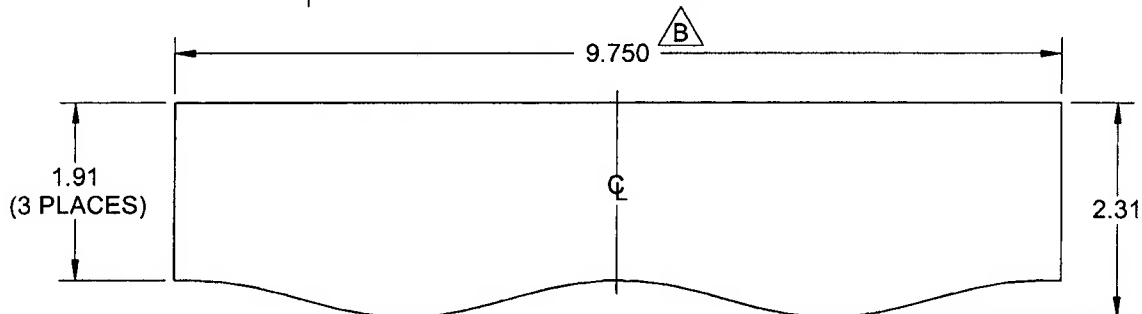
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DATE 06.05.16		TITLE BLOWER INLET ADAPTER	SCALE 1:2

RELEASED
*06.05.16***UNDER REVIEW**
07.04.16
Dist + Manufacturing
Changes**DETAIL B**
SCALE 1:1**D3473-5 VERTICAL TUBE****D3473-5F VERTICAL TUBE FLAT PATTERN****NOTES:**

- 1) MATERIAL: AISI 304/316 SS SHEET PER MIL-S-5019 (ANNEALED) 2B FINISH 26 GAUGE SS (0.018 THICK)
- 2) SPOT WELD PER DART QSI 004
- 3) FINISH: NONE
- 4) FLAT PATTERN IS SYMMETRICAL ABOUT CENTERLINE
- 5) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 6) ALL DIMENSIONS ARE IN INCHES
- 7) BREAK ALL SHARP EDGES 0.005 TO 0.010

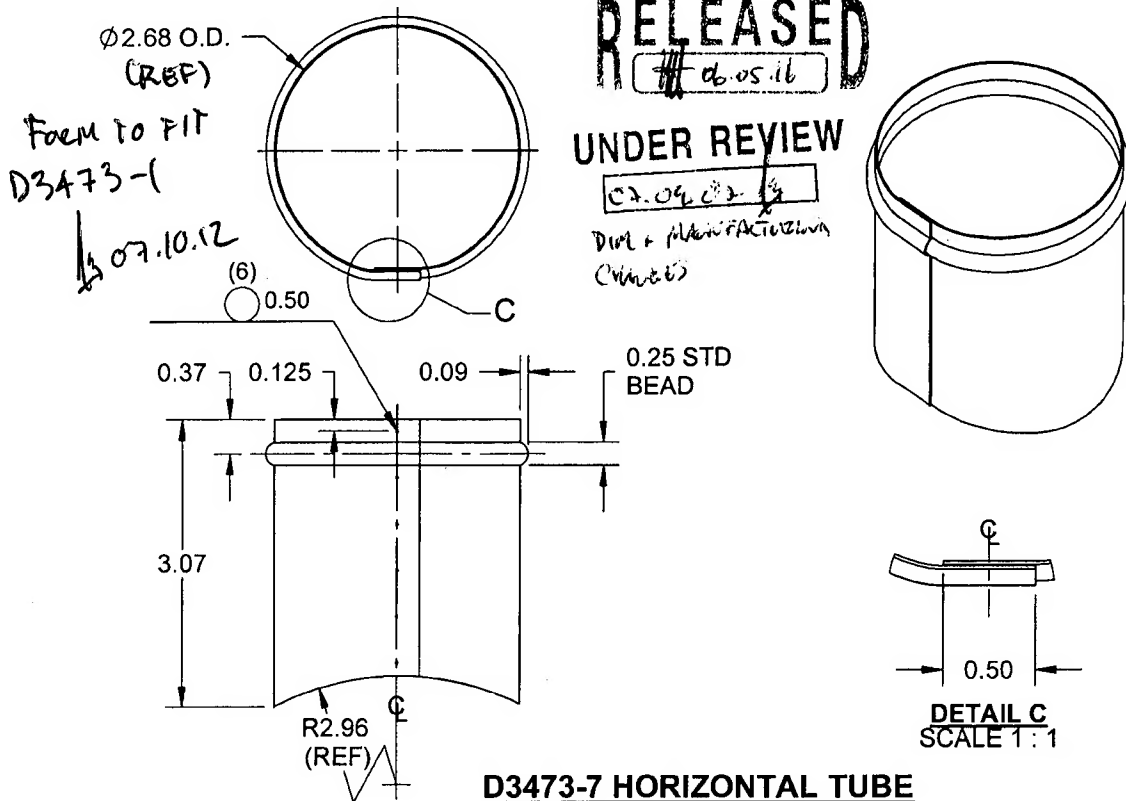
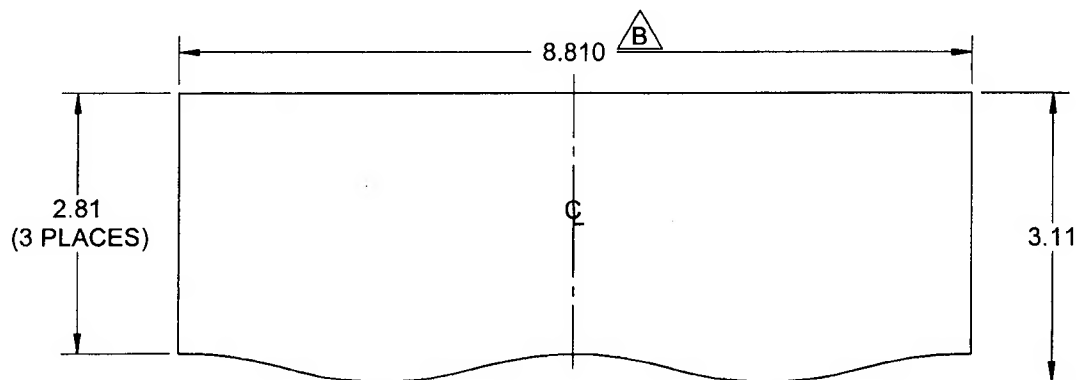
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DATE 06.05.16		TITLE BLOWER INLET ADAPTER	SCALE 1:2

**D3473-7 HORIZONTAL TUBE****D3473-7F HORIZONTAL TUBE FLAT PATTERN****NOTES:**

- 1) MATERIAL: AISI 304/316 SS SHEET PER MIL-S-5019 (ANNEALED) 2B FINISH
26 GAUGE SS (0.018 THICK)
- 2) SPOT WELD PER DART QSI 004
- 3) FINISH: NONE
- 4) FLAT PATTERN IS SYMMETRICAL ABOUT CENTERLINE
- 5) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 6) ALL DIMENSIONS ARE IN INCHES
- 7) BREAK ALL SHARP EDGES 0.005 TO 0.010

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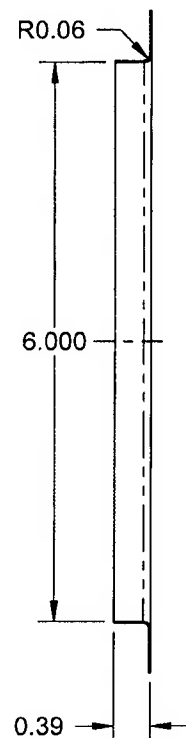
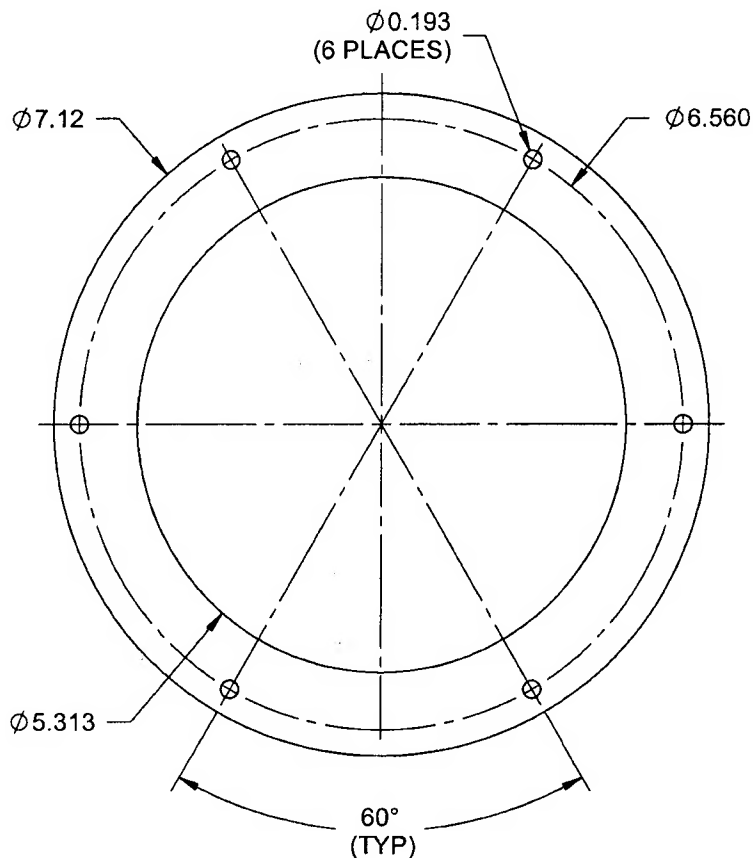
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CHECKED <i>[Signature]</i>	APPROVED <i>[Signature]</i>	DRAWING NO. D3473	REV. B SHEET 7 OF 7
DATE 06.05.16		TITLE BLOWER INLET ADAPTER	SCALE 1:2

UNDER REVIEW

02.04.16
Dim + Manufacturing
Changes

RELEASED
06.05.16**D3473-9F FLANGE FLAT PATTERN****D3473-9 FLANGE BENDING DETAIL****NOTES:**

- 1) MATERIAL: AISI 304/316 SS SHEET PER MIL-S-5019 (ANNEALED) 2B FINISH
26 GAUGE SS (0.018 THICK) (REF. DART SPEC. M304S26GA) SUBJECT TO AMENDMENT
- 2) FINISH: NONE
- 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) ALL DIMENSIONS ARE IN INCHES
- 5) BREAK ALL SHARP EDGES 0.005 TO 0.010

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